

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 06/05/2015 09:20 AM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125004	0	2.50	124865	2.48
Blue	F	SSC	125000	123302	-2	3.36	124273	3.12
Blue	E	FITC	17998	17136	-5	2.46	966	8.62
Blue	D	PE	23234	22507	-4	2.06	1014	7.52
Blue	B	PerCP-Cy5-5	69571	68451	-2	2.72	1805	12.28
Blue	A	PE-Cy7	77815	77177	-1	3.83	1015	23.05
Red	C	APC	65936	65606	-1	2.48	3715	7.81
Red	A	APC-Cy7	100669	101027	0	2.47	1998	7.47
Violet	B	V450	10405	9884	-6	4.03	614	8.61
Violet	A	V500	47250	45719	-4	3.74	2583	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19826	10.77	591	12	N/A	N/A	Pass
Blue	F	SSC	61658	2.13	504	15	N/A	N/A	Pass
Blue	E	FITC	106	33.32	520	5	0.0268	53	Pass
Blue	D	PE	209	22.87	513	6	0.1988	124	Pass
Blue	B	PerCP-Cy5-5	221	36.86	598	8	0.0128	0	Pass
Blue	A	PE-Cy7	76	92.66	654	8	0.0175	14	Pass
Red	C	APC	346	24.87	579	1	0.0228	0	Pass
Red	A	APC-Cy7	126	36.74	561	2	0.0054	956	Pass
Violet	B	V450	64	44.98	462	12	0.0435	2025	Pass
Violet	A	V500	168	22.37	502	14	0.0140	247	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.33	-31.16	0.73
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	16.51	13.07 - 19.61	N/A	N/A	31.72	31.99	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11040

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments